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MONTANA OIL AND GAS STATISTICAL BULLETIN

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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXVII, No. 5 — MAY, 1978

1515 E. 6th
HELENA, MONTANA 59620

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of May, 1978 averaged 84,135 barrels daily, a decrease of 89 barrels from the average 84,224 production in April.

The six refineries in the state processed 115,527 barrels of crude oil daily for the month of May, an increase of 10,361 barrels from the 105,166 barrels processed daily during the month of April.

During May, 47 wells were completed, 12 oil, 12 gas, and 23 dry holes.

During May, the board issued 99 permits to drill new wells, an increase of 6 from the 93 permits issued during April.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MAY, 1978

IN STORAGE: MAY 1st	
By Producers	385,218
By Transporters	1,526,135
By Refiners	1,328,529
TOTAL STORAGE	3,239,882
Produced in Mont. During Month	2,607,175
Imported During Month	3,133,817
TOTAL	8,980,874
DISPOSITION	
Refined in Montana	3,581,323
Exported	8,402
Used for Fuel or Lost	1,934,746
TOTAL	5,524,471
IN STORAGE: MAY 31st	
By Producers	402,708
By Transportation	1,512,163
By Refiners	1,541,532
TOTAL STORAGE	3,456,403

REFINERS MONTHLY REPORT
May, 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	260,317	278,380	—	345,154	711,069	1,384,425	210,495
Exxon Company	373,107	44,356	—	775,843	479,938	1,268,466	404,778
Farmers Union	677,203	79,138	—	295,407	448,945	608,651	892,042
Kenco Refining	—	86,610	—	—	—	86,610	—
Phillips Petroleum	7,400	116,495	—	—	77,461	196,677	4,679
Wesco Refining Co.	10,502	55,530	—	—	—	36,494	29,538
TOTALS	1,328,529	660,509	—	1,416,404	1,717,413	3,581,323	1,541,532

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,632	549	50,405	57,615	133,201	18.49%	.41%	37.84%	43.26%
May, 1977	21,441	751	53,497	62,408	138,097	15.53%	.54%	38.74%	45.19%
May, 1978	21,307	—	45,690	55,400	122,397	17.41%	—	37.33%	45.26%

PRODUCERS' REPORT—MONTH OF MAY, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Arch Apex	4	1,291	808	1,250	—	849
2	Ash Creek	3	381	860	807	—	434
1	Bainville	1	2,114	1,881	—	—	3,995
1	Bainville West	1	366	1,405	1,591	—	180
2	Bannatyne	4	1,104	416	416	—	1,104
4	Bears Den	5	2,456	749	2,172	—	1,033
15	Bell Creek	172	12,415	616,973	615,752	1,850	11,786
1	Benrud	2	320	106	222	—	204
3	Benrud East	3	1,289	8,228	8,036	—	1,481
1	Benrud Northeast	1	1,015	1,074	1,561	—	528
1	Berthelote	1	457	74	210	—	321
3	Big Gully	3	382	1,634	619	3	1,394
3	Big Muddy Creek	3	2,074	9,997	9,465	—	2,606
5	Big Wall	15	1,461	5,951	6,455	—	957
1	Blackfoot	6	358	1,536	1,213	—	681
1	Blue Hill	1	811	3,770	3,670	—	911
5	Border	5	1,898	1,118	1,606	105	1,305
1	Boulder	1	1,114	1,864	1,680	—	1,298
1	Bowes	54	3,702	10,631	8,222	—	6,111
1	Bradley	1	589	510	842	—	257
2	Brady	2	—	465	465	—	—
2	Breed Creek	5	1,401	5,899	5,515	—	1,785
5	Brorson-Madison	5	2,107	3,080	2,092	—	3,095
4	Brorson-Red River	4	5,119	3,796	4,278	—	4,637
3	Brorson-Red River S.	3	1,341	2,713	3,272	—	782
5	Brush Lake	5	1,267	5,665	6,180	—	752
1	Burns Creek	1	625	484	432	—	677
2	Cabin Creek	85	—	144,415	144,415	—	—
2	Canal	2	469	2,827	1,930	—	1,366
11	Cat Creek	58	2,963	8,970	8,996	—	2,937
2	Charlie Creek	2	1,265	10,092	9,168	—	2,189
—	Clark's Fork	—	37	—	—	—	37
1	Clark's Fork North	1	434	402	—	—	836
1	Clark's Fork South	1	919	42	—	—	961
2	Clear Lake	2	1,328	10,150	10,448	—	1,030
—	Conrad South	—	90	—	—	—	90
1	Cow Creek	1	198	441	506	—	133
9	Cow Creek East	11	4,219	13,665	12,157	—	5,727
1	Culbertson	1	938	407	860	—	485
7	Cupton	10	5,571	9,273	9,240	—	5,604
85	Cut Bank	822	37,651	140,813	143,873	14	34,577
1	Dagmar	2	907	4,974	5,253	—	628
1	Dean Dome	1	985	667	1,220	—	432
1	Deer Creek	1	632	736	924	—	444
1	Delphia	1	203	697	636	—	264
—	Devils Basin	—	294	—	—	—	294
6	Dry Creek	6	977	2,402	2,228	—	1,151
2	Dwyer	10	4,019	12,244	12,835	—	3,428
3	Elk Basin	52	497	79,266	79,132	—	631
3	Elk Basin Northwest	4	1,484	1,196	1,134	—	1,546
4	Fairview	8	7,207	23,546	21,199	—	9,554
2	Fertile Prairie	2	784	878	1,088	—	574
4	Flat Coulee	20	2,020	11,494	11,378	—	2,136
7	Flat Lake	49	3,379	48,658	49,417	—	2,620
4	Flat Lake South	4	1,066	2,751	2,548	(3)	1,272
1	Fort Gilbert	2	1,240	4,088	4,945	—	383
—	Four Mile Creek	—	336	—	119	—	217
1	Four Mile Creek West	1	1,138	2,170	1,811	—	1,497
1	Frannie	1	—	899	899	—	—
13	Fred & George Creek	34	6,329	40,920	41,865	—	5,384
1	Froid South	1	942	651	890	—	703
1	Gage	1	136	109	183	—	62
3	Gas City	11	3,722	8,034	6,882	—	4,874
—	Girard	—	1,275	—	—	—	1,275
12	Glendive	15	3,165	18,756	19,695	—	2,226
1	Golden Dome	1	661	146	—	—	807
12	Goose Lake	19	3,307	15,909	15,227	—	3,989
11	Graben Coulee	35	4,352	3,599	3,686	73	4,192
1	Grandview East	1	98	261	192	—	167
4	Gumbo Ridge	6	3,860	2,964	2,185	—	4,639
4	Gypsy Basin	6	1,135	2,530	1,088	1,199	1,378
1	Hay Creek-Mission	1	598	1,116	1,327	—	387
2	Hay Creek-Red River	2	1,537	3,239	2,330	8	2,438
4	Hiawatha	4	2,153	4,193	3,973	—	2,373
1	Hibbard	1	509	274	—	—	783
7	High Five	14	2,915	26,384	25,598	4	3,697
—	Highview	—	25	—	—	—	25
1	Horse Creek	1	580	128	—	—	708
2	Howard Coulee	2	1,626	1,596	1,241	—	1,981
4	Ivanhoe	10	1,175	2,533	2,434	—	1,274
1	Jackass Butte	1	514	435	435	—	514
1	Jim Coulee	14	2,661	21,109	20,239	—	3,531
6	Keg Coulee	18	5,900	11,738	12,626	153	4,859
4	Keg Coulee North	4	1,289	682	493	7	1,471
1	Kelley	3	524	1,447	1,331	—	640
93	Kevin Sunburst	503	16,085	29,994	29,325	(4)	16,758
1	Laird Creek	10	849	2,838	2,685	—	1,002
—	Landslide Butte	—	221	—	—	—	221
5	Leary	5	2,207	3,140	3,125	(33)	2,255
2	Little Beaver	22	142	35,734	35,728	—	148
3	Little Beaver East	10	2,015	12,282	11,544	—	2,753
15	Little Wall Creek	16	5,032	19,211	18,368	34	5,841
1	Lodge Grass	1	519	410	190	—	739
2	Lone Butte	2	785	3,217	2,442	—	1,560
6	Lonetree Creek	6	3,370	9,997	9,871	—	3,496
1	Long Creek	1	234	562	445	—	351
2	Long Creek West	2	1,210	5,618	5,632	—	1,196
3	Lookout Butte (Coral Creek)	29	787	54,961	54,904	—	844
3	Mason Lake	3	487	1,277	1,198	—	566
4	Melstone	8	1,477	10,348	10,095	—	1,730

PRODUCERS' REPORT—MONTH OF MAY, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Mineral Bench	1	398	190	432	—	156
2	Miners Coulee	2	425	256	—	—	681
11	Mon Dak West	11	12,076	37,103	36,677	—	12,502
10	Monarch	15	3,397	12,191	11,417	—	4,171
3	Mosser	8	—	556	556	—	—
1	Nohly	2	627	6,945	6,269	—	1,303
1	North Fork	2	543	2,636	2,241	—	938
4	Otis Creek	4	2,242	6,739	4,753	—	4,228
5	Outlook	5	1,796	13,536	14,035	—	1,297
1	Outlook South	1	774	778	728	—	824
2	Outlook West	2	1,285	1,430	705	—	2,010
1	Oxbow	1	446	2,592	1,975	—	1,063
1	Pennel	113	4,160	242,795	246,240	—	715
1	Phantom	1	544	855	1,158	—	241
4	Pine	98	13,981	201,137	202,345	—	12,773
62	Pondera	283	6,393	24,922	25,690	154	5,471
6	Poplar	62	8,390	36,732	36,621	—	8,501
10	Poplar Northwest	15	3,973	14,242	14,159	—	4,056
1	Prairie Elk	1	1,194	226	205	—	1,215
1	Prichard Creek	4	816	272	709	—	379
1	Putnam	2	322	1,837	1,769	—	390
3	Rabbit Hills	3	2,480	4,085	3,317	—	3,248
10	Ragged Point	23	4,627	4,868	4,999	—	4,496
2	Rattler Butte	2	901	4,293	4,566	—	628
2	Rattlesnake Coulee	2	1,080	256	656	—	680
2	Raymond	5	2,333	18,223	18,105	—	2,451
—	Raymond Northeast	—	237	—	—	—	237
3	Reagon	48	862	15,173	15,298	—	737
1	Red Creek	18	—	7,409	7,409	—	—
1	Red Fox	1	237	258	221	—	274
1	Redstone	1	304	541	480	—	365
1	Repeat	1	455	216	216	—	455
2	Reserve	2	2,358	1,287	—	—	3,645
2	Richey	3	684	2,172	2,172	—	684
1	Richey Southwest	4	397	782	414	—	765
2	RipRap Coulee	2	1,033	1,941	2,200	—	774
4	Rosebud	4	1,108	2,081	1,965	—	1,224
1	Rush Mountain	1	284	1873	1,638	—	519
2	Salt Lake	3	394	2,088	1,910	—	572
2	Sand Creek	4	402	2,100	2,100	—	402
4	Second Creek	4	1,094	10,075	9,496	—	1,673
2	Sheepherder	3	760	521	409	1	871
1	Shotgun Creek, North	1	262	32	185	—	109
4	Sidney	4	1,991	5,242	4,294	—	2,939
7	Sioux Pass	7	4,665	23,580	22,599	—	5,646
1	Sioux Pass, East	1	173	1,387	1,414	—	146
2	Sioux Pass, Middle	2	1,265	9,219	8,547	—	1,937
6	Sioux Pass, North	6	4,757	7,109	7,179	—	4,687
1	Snyder	3	505	453	757	—	201
8	Soap Creek	23	2,641	2,340	2,871	95	2,015
3	South Fork	3	2,113	16,101	15,118	—	3,096
1	Spring Lake	2	894	1,834	1,433	—	1,295
1	Stensvad	3	1,955	1,551	1,675	—	1,831
28	Sumatra	112	14,848	137,443	139,954	77	12,260
5	Tule Creek	5	2,807	11,414	11,213	—	3,008
1	Tule Creek East	1	1,123	1,084	1,739	—	468
2	Tule Creek South	3	571	1,351	1,278	—	644
3	Utopia	6	1,535	6,001	6,300	—	1,236
4	Vaux	4	2,937	14,219	11,399	—	5,757
2	Vaux South	2	433	4,860	3,588	—	1,705
1	Vida	1	89	164	—	—	253
5	Volt	6	3,244	7,987	7,928	—	3,303
1	Wagon Box	1	275	188	197	—	266
1	Weed Creek	1	255	459	460	—	254
2	Weldon	2	2,446	2,711	1,700	—	3,457
1	West Butte	1	554	584	697	—	441
30	Whitlash	65	13,835	14,947	16,149	—	12,633
—	Whitlash West	—	284	—	—	—	284
2	Willow Creek North	2	540	662	764	—	438
1	Willow Ridge	2	—	200	200	—	—
3	Wills Creek South	3	—	2,887	2,887	—	—
3	Winnett Junction	6	987	8,798	9,142	—	643
2	Wolf Springs	2	1,470	440	—	—	1,910
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	521	1,520	1,806	—	235
2	Wright Creek	3	1,499	832	736	—	1,595
2	Wildcat, Big Horn County	2	572	520	—	—	1,092
—	Wildcat, McCone County	—	52	—	—	—	52
2	Wildcat, Musselshell County	2	307	435	212	—	530
16	Wildcat, Richland County	16	7,189	24,997	23,838	—	8,348
1	Wildcat, Roosevelt County	1	376	8,994	7,881	—	1,489
2	Wildcat, Sheridan County	2	1,582	8,744	8,327	—	1,999
1	Wildcat, Toole County	1	258	449	372	—	335
1	Wildcat, Wibaux County	1	210	33	—	—	243
820	TOTAL	3,371	385,218	2,608,175	2,586,948	3,737	402,708

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,680,054	89,534	32,202,122	88,225
1st Quarter, 1978	7,228,897	80,321	7,188,700	79,874
April, 1978	2,526,715	84,224	2,519,552	83,985
May, 1978	2,608,175	84,135	2,586,948	83,450

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
March, 1978	382,596	1,470,247	1,432,055	3,284,898
April, 1978	385,218	1,526,135	1,328,529	3,239,882
May, 1978	402,708	1,512,163	1,541,532	3,456,403

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF MAY, 1978

Field NATURAL:	MC. Ft.
Alma	—
Bear's Den	—
Big Coulee	90,004
Big Rock	83,811
Black Coulee	3,316
Blackjack	37,618
Bowdoin	570,443
Bowes	64,612
Brown's Coulee	60
Bullwacker & Area	128,562
Canadian Coulee	27,723
Cedar Creek	120,804
Chip Creek	763
Clark's Fork, North	—
Coal Coulee	2,399
Cut Bank (including Regan)	332,853
Dry Creek	102,738
Dry Creek, Middle	2,545
Dunkirk North	41,966
Flat Coulee	6,542
Fresno	4,862
Gold Butte	268
Grandview	937
Gypsy Basin	33,089
Hardin	2,677
Haystack Butte	—
Highview	37,627
Keith Block	112,046
Kevin Sunburst	25,883
Kevin Sunburst Nisku & Area	17,867
Kicking Horse	17,227
Kinyon Coulee Area	7,068
Lake Basin	15,331
Ledger	12,017
Liscom Creek	17,864
Lohman	505
Middle Butte	6,538
Miners Coulee	—
Mt. Lilly	546
Plevna	2,980
Prairie Dell	31,356
Pumpkin Creek	12,585
Rapelje	18,562
Rocky Boy Area	5,556
Rudyard	64,146
Sage Creek	—
Sawtooth Mountain & Area	134,923
Sherard	42,838
Strawberry Creek Area	266
Snoose Coulee	—
South Devon	3,089
South Shelby	13,846
Swanson Creek	4,678
Tiger Ridge	651,541
Trail Creek	—
Utopia	—
West Butte	—
Whitlash	92,384
Willow Ridge	214
TOTAL NATURAL GAS	3,008,075

Field ASSOCIATED:	MC. Ft.
Bell Creek	34,001
Big Muddy Creek	—
Blue Hill	3,365
Clark's Fork South	8,029
Coral Creek	4,199
Elk Basin	4,373
Fairview	27,899
Four Mile Creek	—
Four Mile Creek, West	1,651
Glendive	225
Otis Creek	3,909
Pennel	7,498
Richland	40,325
Sioux Pass	17,833
Sioux Pass, East	1,138
Sioux Pass, Middle	7,220
Sioux Pass, North	2,708
Sumatra	9,246
Tule Creek	—
TOTAL ASSOCIATED GAS	173,619
TOTAL WITHDRAWALS	3,181,694

Total withdrawals for May, 1977, were 3,637,009 MCF.